

Working with Electricity
ACTIVITY HAZARDS ANALYSIS
Hydrologic Engineering Branch

ACTIVITY: Working with Electricity

ANALYZED BY/DATE: Ray McTee, 8/29/01

REVIEWED BY/DATE: Larry Janis, 8/29/01

PRINCIPAL STEPS	POTENTIAL HAZARDS	RECOMMENDED CONTROLS
Working with Electricity	<ol style="list-style-type: none">1. Electrical shock2. Injury to the employee/Burns	<ol style="list-style-type: none">1. Use good judgement.2. If you find a live wire use the cell phone to alert 911.3. At each gage house, list the name and phone number of the electric company.4. Use fiberglass ladders.5. Use proper safety equipment.6. Use licensed electricians (contractors) when necessary.7. Wear steel-toed shoes.8. Don't stand in water while using power tools, unless you have a rubber suit (Chest waders) on, and the tool is grounded.9. Check wiring before using, for breaks or frayed insulation.10. When soldering connectors on wiring watch for melting solder and/or torch and/or soldering gun.11. Be careful of short circuits, and fires that may arise from overheating.
EQUIPMENT TO BE USED	INSPECTION REQUIREMENTS	TRAINING REQUIREMENTS
<ol style="list-style-type: none">1. Batteries2. 110V circuits3. Electric tools4. Solar panels	<ol style="list-style-type: none">1. Frayed cords, broken wires.2. Loose connections.3. Shorts in circuits.4. Grounding systems.	<ol style="list-style-type: none">1. Basic electricity.2. Basic electronics.3. Electric tool operation.